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Sheet of 2 of 8 ATTY. DOCKET NO. SERIAL NO. U.S. DEPARTMENT OF COMMERCE **FORM PTO-1449** PATENT AND TRADEMARK OFFICE 09/026,353 WH4 APPLICANT(S) LOUIS C. ARGENTA & MICHAEL J. MORYKWAS INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S) GROUP FILING DATE JUN 0 8 1998 3737 02/19/98 (Use several sheets if necessary) PATENT DOCUMENTS CLASS FILMIC DATE # APPROPRIATE CLASS DATE NAME DOCUMENT NUMBER 9 06/90 SONG 5 3 A12 07/91 SONG 8 5 0 3 8 **A13** 10/79 LEU 9 5 6 3 1 6 ANDERSON 7 O 07/85 5 2 6 **A15** 8 0 11/90 ZAMIEROWSKI 0 9 8 6 A16 03/92 ZAMIEROWSKI 9 6 n n 3 **A17** 5 8 04/51 KEELING 5 7 7 A18 2 4 0 08/72 MCFARLANE 2 8 6 8 **A19** 3 MILLER 0 8 0 9 7 0 03/78 **A20** 3 04/81 **RUSSO** 2 6 A21 6 2 06/81 OLSON A22 2 7 2 7 1998 FOREIGN PATENT DOCUMENTS CLASS YES DATE COUNTRY DOCUMENT NUMBER **Published PCT** 08/91 0 91 6 0 10/32 30d DE 7 **B7** 6 A61H 00 7 9 5 10/90 1 88 9 0 1 27 9 **B**1 WO 92 1 3 1 3 11/92 PCT 41 2 2 4/93 x **B2** DE 1 1 1 Germany OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) "Pleur-evac. Adult-Pediatric, Non-Metered." Code Number: A-4000. Control Number: F7961J. C9 Instruction Manual, Creative Medical Laboratories, Inc. P.O. Box 6347, Rochester, Minn. 55903. "TUGS" (Transportable Universal Gradient Suction). C10 Deknatel, Div. of Howmedica, Inc. Queens Village, NY 11429. "Pleur-evac." C11 Sparta Instrument Corp. 26602 Corporate Ave., Hayward, CA 94545. "Power Source Multi-Purpose Surgical C12 Aspirator.

Wells Johnson Company, 2045 N. Forbes Blvd., Suite 106, Tucson, AZ. "Point 5 Aspirator." C13 Microtek Heritage, Inc. P.O. Box 2487, Columbus, MS 39704. "Wound-Evac ET." C14 Fleischmann, W. <u>Wund Forum Spezial</u>. IHW 194. "Vakuumversiegelung zur Behandlung von Problemwunden" C15 (with English translation: "Vacuum Sealing for Treatment of Problematical Wounds." Fleischmann, W. Acta Orthopaedica Belgica. Vol. 58, Suppl. I-1992 "Treatment of Bone and Soft Tissue

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		C41	Gogia, Prem P. "The Biology of Wound Healing." Ostomy/Wound Management. NovDec. 1992. pp 12-20
Zoh		C42	Wysocki et al. "Wound Fluid from Chronic Leg Ulcers Contains Elevated Levels of Metalloproteinases MMP-2 and MMP-9." The Society for Investigative Dermatology, Inc. July 1993. 64-68
1		C43	Olenius et al. "Mitotic Activity in Expanded Human Skin." Plastic and Reconstructive Surgery." Feb. 1993. 213-215.
	,	C44	Mulder, G.D. et al. (eds), <u>Clinician's Pocket Guide to Chronic Wound Repair</u> , (Spartanburg, SC: Wound Healing Publications), 1991, pp. 54-55.
7		C45	Chariker, M.E. et al. (eds.), "Effective Management of Incisional and Cutaneous Fistulae with Closed Suction Wound Drainage," Contemporary Surgery, Vol. 34, June 1989, pp. 59-63.
		C46	Rastgeldi, S.: I. Pressure Treatment of Peripheral Vascular Diseases. II. Intermittent Pressure Treatment of Peripheral Vascular Diseases. Opuscula Medica, Suppl. XXVII, 1972.
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